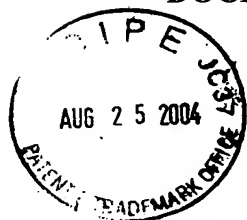


DOCKET NO.: ADOL-0762

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Wei Yuan Zhang, Alan L. Maycock,

Michael Marella, Virendra Kumar,

Forrest Gaul, An-Chih Chang, and

Deqi Guo

For: Kappa Agonist Compounds And Pharmaceutical Formulations Thereof

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

The above identified application is a:

(check one applicable item below)

- | | |
|--|---|
| <input type="checkbox"/> Original | <input type="checkbox"/> Divisional |
| <input checked="" type="checkbox"/> Continuation | <input type="checkbox"/> U.S. National Stage of PCT |
| <input type="checkbox"/> Continuation-in-Part | |

My full name (including family name and at least one given name without abbreviation), full post office address, city and state of actual residence and citizenship are as stated below.

I believe that the named inventor(s) is/are the original, first of the subject matter which is claimed and for which a

- | | |
|--|--|
| <input checked="" type="checkbox"/> Utility Patent | <input type="checkbox"/> Design Patent |
|--|--|

is sought on the invention, whose title appears above, the application of which:

- | |
|---|
| <input type="checkbox"/> is attached hereto |
| <input checked="" type="checkbox"/> was filed on March 23, 2004 , as U.S. Application Number 10/807,113 |
| <input checked="" type="checkbox"/> and was amended on March 23, 2004 (if applicable) |

☐ was described and claimed in PCT International Application Number _____, filed on _____ and as amended under PCT Article 19 on _____ and/or PCT Article 34 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

**DISCLOSURE AND/OR CLAIM FOR PRIORITY UNDER
35 U.S.C. §§ 119(a)-(d) OF FOREIGN APPLICATIONS FOR PATENT (OR
INVENTOR'S CERTIFICATE FILED WITHIN 12 MONTHS (6 MONTHS FOR
DESIGN) OF THIS APPLICATION**

I hereby claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) of any foreign applications for patent, inventor's certificate or PCT international application designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent, inventor's certificate or any PCT international application designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Claimed Under 37 USC § 119a-d			
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

**DISCLOSURE OF FOREIGN APPLICATION(S) IF ANY,
FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN)
PRIOR TO THE FILING OF THIS APPLICATION**

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)

**CLAIM FOR PRIORITY OF UNITED STATES APPLICATIONS
OR PCT APPLICATIONS FILED
IN THE UNITED STATES RECEIVING OFFICE
UNDER 35 U.S.C. § 120**

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date Filed	Status Patented/Pending/Abandoned
10/146,693	5/15/02	Patented
09/478,482	1/6/00	Patented
09/150,369	9/9/98	Patented
09/034,661	3/3/98	Patented
08/899,086	7/23/97	Patented
08/796,078	2/5/97	Patented
08/612,680	3/8/96	Patented

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
UNDER 35 U.S.C. § 119(e)**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date

POWER OF ATTORNEY

- ☒ I hereby appoint all the practitioners associated with Customer Number 23377 (which is the Customer Number assigned to Woodcock Washburn LLP) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 23377 is an attorney registered before the United States Patent and Trademark Office.

**23377**

PATENT TRADEMARK OFFICE

- ☐ I hereby appoint the following persons of the firm of WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Attorney/Patent Agent	Registration No.

Address all telephone calls, correspondence and maintenance fee correspondence to:

David A. Cherry
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: (215) 568-3100
Facsimile No.: (215) 568-3439

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventorWei*(Given Name)*Yuan*(Middle Initial or Name)*Zhang*(Family or last name)***City/State of Actual Residence:** Collegeville, Pennsylvania**Mailing Address:***(include street address, city, state,
and zip code)*154 Hunsicker DriveCollegeville, Pennsylvania 19426**Country of Citizenship:** United States of America**Inventor's signature:**Wei Yuan Zhang**Date:**Aug. 16, 04

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventorAlan*(Given Name)*L.*(Middle Initial or Name)*Maycock*(Family or last name)***City/State of Actual Residence:** Wayne, Pennsylvania**Mailing Address:**(include street address, city, state,
and zip code)39 Treaty DriveWayne, Pennsylvania 19087**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of third joint inventor

Michael
(Given Name)

Anthony
(Middle Initial or Name)

Marella
(Family or last name)

City/State of Actual Residence: Limerick, Pennsylvania

Mailing Address:

(include street address, city, state,
and zip code)

2505 Noble Way
Limerick, Pennsylvania 19468

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fourth joint inventorVirendra*(Given Name)*
*(Middle Initial or Name)*Kumar*(Family or last name)***City/State of Actual Residence:** Paoli, Pennsylvania**Mailing Address:**(include street address, city, state,
and zip code)14 Lynne CirclePaoli, Pennsylvania 19301**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fifth joint inventorForrest*(Given Name)*
*(Middle Initial or Name)*Gaul*(Family or last name)***City/State of Actual Residence:** Glen Moore, Pennsylvania**Mailing Address:**(include street address, city, state,
and zip code)1781 Fairview RoadGlen Moore, Pennsylvania 19343**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sixth joint inventor

Michael
(Given Name)

An-Chih
(Middle Initial or Name)

Chang
(Family or last name)

City/State of Actual Residence: Rochester, Minnesota

Mailing Address: 2041 Fox Valley Drive, S.W.
(include street address, city, state, and zip code) Rochester, Minnesota 55902

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of seventh joint inventorDeqi*(Given Name)*
*(Middle Initial or Name)*Guo*(Family or last name)***City/State of Actual Residence:** Phoenixville, Pennsylvania**Mailing Address:**(include street address, city, state, and zip code)5747 Aquamarine DriveCarnel, Indiana 46033**Country of Citizenship:** Canada**Inventor's signature:** _____**Date:** _____



DOCKET NO.: ADOL-0762

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Wei Yuan Zhang, Alan L. Maycock, Michael

Marella, Virendra Kumar, Forrest Gaul, An-

Chih Chang, and

Deqi Guo

For: Kappa Agonist Compounds And Pharmaceutical Formulations Thereof

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

The above identified application is a:

(check one applicable item below)

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|--|---|
| <input type="checkbox"/> Original | <input type="checkbox"/> Divisional |
| <input checked="" type="checkbox"/> Continuation | <input type="checkbox"/> U.S. National Stage of PCT |
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|--|--|
| <input checked="" type="checkbox"/> Utility Patent | <input type="checkbox"/> Design Patent |
|--|--|

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| <input type="checkbox"/> is attached hereto |
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Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Claimed Under 37 USC § 119a-d			
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

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Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)

**CLAIM FOR PRIORITY OF UNITED STATES APPLICATIONS
OR PCT APPLICATIONS FILED
IN THE UNITED STATES RECEIVING OFFICE
UNDER 35 U.S.C. § 120**

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Application No.	Date Filed	Status Patented/Pending/Abandoned
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09/150,369	9/9/98	Patented
09/034,661	3/3/98	Patented
08/899,086	7/23/97	Patented
08/796,078	2/5/97	Patented
08/612,680	3/8/96	Patented

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UNDER 35 U.S.C. § 119(e)**

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Provisional Application No.	Filing Date

POWER OF ATTORNEY

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**23377**

PATENT TRADEMARK OFFICE

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Attorney/Patent Agent	Registration No.

Address all telephone calls, correspondence and maintenance fee correspondence to:

David A. Cherry
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: (215) 568-3100
Facsimile No.: (215) 568-3439

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Full name of sole or first joint inventorWei*(Given Name)*Yuan*(Middle Initial or Name)*Zhang*(Family or last name)***City/State of Actual Residence:** Collegeville, Pennsylvania**Mailing Address:***(include street address, city, state,
and zip code)*154 Hunsicker DriveCollegeville, Pennsylvania 19426**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventorAlan*(Given Name)*L.*(Middle Initial or Name)*Maycock*(Family or last name)***City/State of Actual Residence:** Wayne, Pennsylvania**Mailing Address:***(include street address, city, state,
and zip code)*39 Treaty DriveWayne, Pennsylvania 19087**Country of Citizenship:** United States of America**Inventor's signature:**Alan L. Maycock**Date:**8/03/04

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of third joint inventorMichael*(Given Name)*Anthony*(Middle Initial or Name)*Marella*(Family or last name)***City/State of Actual Residence:** Limerick, Pennsylvania**Mailing Address:***(include street address, city, state,
and zip code)*2505 Noble WayLimerick, Pennsylvania 19468**Country of Citizenship:** United States of America**Inventor's signature:**Michael Anthony Marella**Date:**August 4, 2004

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fourth joint inventor

Virendra

(Given Name)

(Middle Initial or Name)

Kumar

(Family or last name)

City/State of Actual Residence: Paoli, Pennsylvania

Mailing Address:

(include street address, city, state,
and zip code)

14 Lynne Circle

Paoli, Pennsylvania 19301

Country of Citizenship: United States of America

Inventor's signature:

Virendra Kumar

Date:

August 3, 2004

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fifth joint inventor

Forrest

(Given Name)

(Middle Initial or Name)

Gaul

(Family or last name)

City/State of Actual Residence: Glen Moore, Pennsylvania

Mailing Address:

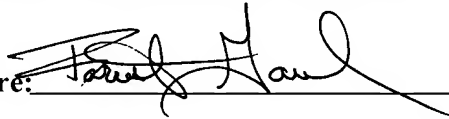
*(include street address, city, state,
and zip code)*

1781 Fairview Road

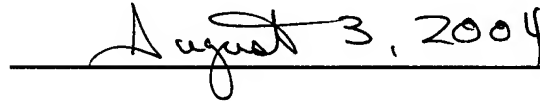
Glen Moore, Pennsylvania 19343

Country of Citizenship: United States of America

Inventor's signature:



Date:



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sixth joint inventor

Michael
(Given Name)

An-Chih
(Middle Initial or Name)

Chang
(Family or last name)

City/State of Actual Residence: Rochester, Minnesota

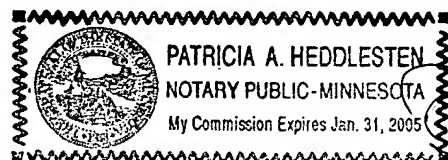
Mailing Address: 2041 Fox Valley Drive, S.W.
(include street address, city, state, and zip code) Rochester, Minnesota 55902

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

Aug. 20, 2004



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of seventh joint inventor

Deqi

(Given Name)

(Middle Initial or Name)

Guo

(Family or last name)

City/State of Actual Residence: Phoenixville, Pennsylvania

Mailing Address:

(include street address, city, state,
and zip code)

5747 Aquamarine Drive
Carnel, Indiana 46033

Country of Citizenship: Canada

Inventor's signature: _____



Date: _____

Aug. 4, 2004